



Igloo

by Arya Akhavan (December 2012)

Angles for R.I. = 1.580

82 + 18 girdles = 100 facets

3-fold, mirror-image symmetry

96 index

L/W = 1.016 T/W = 0.254 U/W = 0.246

P/W = 0.512 C/W = 0.160

Vol./W³ = 0.231

PAVILION

P1	43.16°	02-10-14-18-22-30-34-42-46-50-54-62-66-74-78-82-86-94	Cut to centerpoint.
G1	90.00°	01-31-33-63-65-95	Set stone size.
G2	90.00°	04-28-36-60-68-92	Meet P1, G1
G3	90.00°	10-22-42-54-74-86	Meet P1, G2
P2	65.88°	10-22-42-54-74-86	Meet P1, G3 (level girdle)
P3	68.64°	04-28-36-60-68-92	Level girdle.
P4	69.52°	01-31-33-63-65-95	Level girdle.
P5	42.16°	12-20-44-52-76-84	Meet P1, P2, P3

CROWN

C1	32.95°	01-31-33-63-65-95	Set girdle width.
C2	33.80°	04-28-36-60-68-92	Level girdle.
C3	39.18°	10-22-42-54-74-86	Level girdle.
C4	31.89°	96-32-64	Meet G1, C1
C5	31.26°	03-29-35-61-67-93	Meet G1, G2, C1, C2
C6	24.39°	02-30-34-62-66-94	Meet C1, C4, C5
C7	10.25°	13-19-45-51-77-83	Meet C2, C3, C5
T	0.00°	Table	Meet C6, C7

After writing a few trillions, I looked back at Marco Voltolini's "Tristano" and realized that I liked the rounded corner look, so I wrote myself a design with rounded corners. Hopefully this design will darken lighter rough. Works in materials from feldspar to CZ (RI = 1.52 - 2.16) with no changes. I prefer this in aquamarine.

Suggested size = 6-12 mm

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